

## ABSTRACT OF THE DISCLOSURE

A combustion chamber assembly for use in a combustion-powered fastener driving tool, includes a cylinder body, a reciprocating probe assembly slidably mounted to said cylinder body between a first, extended position and a second, retracted position, and at least one shock-absorbing member operationally associated with at least one of the  
5 cylinder body and the probe assembly for reducing shock load generated during operation of the tool. In another embodiment, a single spring disposed between the probe assembly and the cylinder body is configured for biasing the probe assembly into the first position.